

## EAST Search History

| Ref # | Hits    | Search Query                           | DBs                          | Default Operator | Plurals | Time Stamp          |
|-------|---------|--|------------------------------|------------------|---------|---------------------|
| L1    | 1213495 | color or tone or colour                | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L2    | 5711492 | line\$3                                | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L3    | 1380203 | dens\$3                                | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L4    | 41400   | L1 with L2 and L3                      | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L5    | 788     | 358/501-503.ccls.                      | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L6    | 256     | L5 and L4                              | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L7    | 133906  | interpol\$5                            | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L8    | 58      | L6 and L7                              | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L9    | 4998    | 382/162-167.ccls.                      | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L10   | 4562    | 358/529,515-523.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L11   | 5223369 | line                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L12   | 1377    | (L1 with L11) and (L7 with L11) and L3 | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L13   | 6240    | 358/1.9.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |
| L14   | 418377  | Skin or Sky                            | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/20<br>19:24 |

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|-----|---------|----------------------------|------------------------------|----|----|---------------------|
| L15 | 166     | L12 and L14                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/10/20<br>19:24 |
| L16 | 28      | L15 and (L13 or L10 or L9) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/10/20<br>19:24 |
| S1  | 1059841 | color or tone or colour    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>09:47 |
| S2  | 5219390 | line\$3                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>12:09 |
| S3  | 1218916 | dens\$3                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:21 |
| S4  | 730910  | S1 and S2                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:22 |
| S5  | 120038  | S1 with S2                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:23 |
| S6  | 35679   | S1 with S2 and S3          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:25 |
| S7  | 4017    | 382/162-167.ccls.          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:28 |
| S8  | 3945    | 358/529,515-523.ccls.      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:10 |
| S9  | 782     | S6 and S7                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:30 |
| S10 | 1315    | S6 and S8                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:31 |
| S11 | 716     | 358/501-503.ccls.          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>12:02 |
| S12 | 237     | S11 and S6                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:33 |
| S13 | 113252  | interpol\$5                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:33 |
| S14 | 52      | S12 and S13                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:44 |

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|-----|---------|--|------------------------------|----|----|---------------------|
| S15 | 9       | ("20010052990"  <br>"20020122193"  <br>"20030020974"  <br>"20030099407"  <br>"5299025"   "5689590"<br>  "5696842"  <br>"6137595"  <br>"6226011").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>11:44 |
| S16 | 547     | S10 and S13  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>12:02 |
| S17 | 2235    | (S1 with S2) and (S13<br>with S2) and S3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>12:09 |
| S18 | 307     | S17 and S8   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>12:05 |
| S19 | 4787468 | line   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>12:09 |
| S20 | 1198    | (S1 with S19) and (S13<br>with S19) and S3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>12:11 |
| S22 | 1935    | Skin and Sky   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:49 |
| S23 | 4       | S22 and S21  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>15:45 |
| S24 | 4953    | 358/1.9.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>15:46 |
| S25 | 85      | S20 and S24  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>15:46 |
| S26 | 0       | S20 and S24 and S22  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>15:46 |
| S27 | 362976  | Skin or Sky  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>15:46 |
| S28 | 143     | S20 and S27  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>15:46 |
| S29 | 26      | S28 and (S24 or S8 or<br>S7)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>15:50 |

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| S30 | 1409146 | skin or grass or sky or<br>flesh or memor\$7       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:13 |
| S31 | 17399   | (S30 with S19) and (S1<br>with S2)                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:07 |
| S32 | 16681   | (S30 with S19) and (S1<br>with S19)                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:13 |
| S33 | 1076716 | convers\$5   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:08 |
| S34 | 2453    | S1 near3 S33 and S32                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:19 |
| S35 | 81      | S8 and S24 and S34                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:10 |
| S36 | 422193  | skin or grass or sky or<br>flesh                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:13 |
| S37 | 1315    | (S36 with S19) and (S1<br>with S19)                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:13 |
| S38 | 51      | S1 near3 S33 and S37                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:19 |
| S41 | 19      | S37 and S8 and S24                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>16:49 |
| S42 | 3       | "5959296".pn. or<br>"6212504".pn.<br>"6073121".pn. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/10<br>19:00 |
| S43 | 1       | "20030126009".pn.                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/11<br>14:29 |
| S44 | 1       | "20040126009".pn.                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>10:56 |
| S45 | 5723356 | maximum most\$4 high<br>\$4                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:00 |
| S46 | 537241  | black  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>10:57 |
| S47 | 1060845 | color or tone or colour                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>10:58 |

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| S48 | 1063250 | seperat\$4 or convers\$4               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>10:58 |
| S49 | 2599    | S47 near3 S48 and S45<br>with S46      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:01 |
| S50 | 4959    | 358/1.9.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>10:59 |
| S51 | 3948    | 358/529,515-523.ccls.                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:00 |
| S52 | 643     | S49 and (S50 or S51)                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:00 |
| S53 | 1907858 | maximum                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:00 |
| S54 | 907     | S47 near3 S48 and S53<br>with S46      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:03 |
| S55 | 276     | S54 and (S50 or S51)                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:05 |
| S56 | 907     | (S47 near3 S48) and<br>(S53 with S46)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:03 |
| S57 | 3       | "6922197"                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:05 |
| S58 | 1       | "6922197".pn.                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>11:05 |
| S59 | 5222264 | line\$3                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>15:50 |
| S60 | 4720628 | maximum black point                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>15:51 |
| S61 | 87      | maximum near3 black<br>near3 point     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:27 |
| S62 | 2       | skin with grass with<br>ocean with sky | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:29 |
| S63 | 1       | skin with plant with<br>ocean with sky | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:29 |

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|-----|--------|---|------------------------------|----|----|---------------------|
| S64 | 4      | grass with ocean with sky                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:46 |
| S65 | 38     | grass with ocean                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:39 |
| S66 | 4      | ( ( grass or plant) with ocean) and S47 near3 S48 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:31 |
| S67 | 9      | (grass or plant) with ocean with sky              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:37 |
| S68 | 394354 | skin sky ocean                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:37 |
| S69 | 7      | skin with sky with ocean                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:37 |
| S70 | 7      | grass with sea with sky                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:49 |
| S71 | 3      | plant with sea with sky                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/04/12<br>18:49 |
| S72 | 135    | (black adj point) near3 line\$3                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>09:48 |
| S73 | 505    | (black near3 point) near3 line\$3                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>09:49 |
| S74 | 27     | (black near3 start\$3 near3 point) near3 line \$3 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:26 |
| S75 | 735    | 358/501-503.ccls.                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:02 |
| S76 | 4331   | 382/162-167.ccls.                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:02 |
| S77 | 4179   | 358/529,515-523.ccls.                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:03 |
| S78 | 3      | S73 and S75                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:04 |
| S79 | 17     | S73 and S76                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:04 |

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|-----|------|--|------------------------------|----|----|---------------------|
| S80 | 49   | S73 and S77  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:25 |
| S81 | 3152 | (under adj color adj<br>removal) or UCR  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:26 |
| S82 | 9300 | ((black or start\$3)<br>near3 point) near3 line<br>\$3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:26 |
| S83 | 69   | S81 and S82  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/23<br>10:26 |
| S84 | 3152 | (under adj color adj<br>removal) or UCR  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24<br>10:11 |
| S85 | 9300 | ((black or start\$3)<br>near3 point) near3 line<br>\$3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24<br>10:11 |
| S86 | 69   | S84 and S85  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24<br>11:00 |
| S87 | 3    | graininess with<br>(memory adj color)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24<br>13:45 |
| S88 | 3    | prevent\$3 with<br>graininess with (sky or<br>skin or grass)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24<br>13:46 |
| S89 | 25   | tetrahedron with<br>(memory skin sky<br>ocean plant) with color  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/04/09<br>16:59 |
| S90 | 16   | tetrahedron same<br>(memory skin sky<br>ocean plant) near3<br>color  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/04/09<br>17:08 |
| S91 | 8    | tetrahedron same<br>((memory adj2 color )<br>or (skin sky ocean<br>plant) near3 color)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/04/09<br>17:10 |
| S92 | 546  | (color or tone or<br>colour) near3 (seperat<br>\$4 or convers\$4) same<br>((memory adj2 color )<br>or (skin sky ocean<br>plant) near3 color) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/04/09<br>17:12 |

|     |    |   |                        |    |    |                  |
|-----|----|---|------------------------|----|----|------------------|
| S93 | 24 | (color or tone or colour) near3 (seperat \$4 or convers\$4) same ((memory adj2 color ) or (skin sky ocean plant) near3 color) and tetrahedron | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/09 17:13 |
| S94 | 19 | S93 not S89 not S90   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/09 17:13 |

10/20/2008 7:26:46 PM

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Image processing apparatus image processing method and image processing program.wsp